

*E1*  
*cont* *Sub*  
*02*  
wherein [an] E1 [gene has] genes have been rendered non-functional by deletion, and wherein [an] E2 or E4 [gene has] genes have been rendered non-functional by deletion.

*E2* *Sub*  
*02*  
9. (Thrice Amended) An adenovirus according to claim 1, wherein [an] E3 [gene has] genes have been rendered non-functional by deletion.

10. (Thrice Amended) An adenovirus according to claim 9, wherein [an] L5 [gene] has been rendered non-functional by deletion.

*E3* *Sub*  
*02*  
13. (Four Times Amended) An adenovirus according to claim 12, wherein the heterologous DNA is a therapeutic gene which encodes a product selected from the group consisting of enzymes, blood proteins, hormones, lymphokines, growth factors, neurotropic factors, apolipoproteins, dystrophin, minidystrophin, tumor [suppressor] suppressor genes, and coagulation factors.

*E4* *Sub*  
*02*  
21. (Thrice Amended) A cell line according to claim 20, wherein it additionally comprises [the] an E4 gene from an adenovirus.

*E5*  
34. (Thrice Amended) A defective recombinant adenovirus consisting essentially of

ITR sequences,  
an encapsulation sequence,  
a heterologous DNA sequence, and  
all or part of an E2 [gene] region,

*Sub*  
*02*  
wherein the E2 [gene] region or part thereof is the sole adenoviral gene.

35. (Thrice Amended) A defective recombinant adenovirus consisting essentially of

ITR sequences,  
an encapsulation sequence,  
a heterologous DNA sequence, and  
all or part of an E4 [gene] region,

wherein the E4 [gene] region or part thereof is the sole adenoviral gene.

Please add the following:

*E6* *Sub*  
*02*  
--36. A defective recombinant adenovirus comprising

ITR sequences,  
an encapsulation sequence, and  
a heterologous DNA sequence,

wherein the E4 genes have been rendered non-functional.

37. An adenovirus according to claim 36, wherein the E4 genes have been rendered non-functional by deletion of all or part of the coding region, and/or all or part of the promoter region for E4 transcription.